

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A sterilization system comprising:  
a sealed sterilization container for containing items to be sterilized, the container having an inlet port and an outlet port;  
a source of sterilizing ~~fluid~~ vapor attachable to and detachable from the inlet port and the outlet port;  
wherein the inlet port and the outlet port comprise a passive microorganism impermeable closure wherein the container is sealed from microorganism ingress ~~while disconnected from the source~~ to maintain sterility of the items therein; and wherein the passive closure mechanism comprises a covering of a vapor permeable, microorganism impermeable material which is permeable by the sterilizing vapor whereby to pass the sterilant vapor into the container through the inlet port through the passive closure mechanism.
2. (Cancelled)
3. (Cancelled)
4. (Original) A sterilization system according to claim 1 wherein the sterilizing fluid is a chemical vapor.
5. (Original) A sterilization system according to claim 4 wherein the sterilizing fluid is hydrogen peroxide vapor.
6. (Original) A sterilization system according to claim 1 and further comprising a pressure differential between the inlet and outlet ports to create a flow of the sterilizing fluid through the container.
7. (Original) A sterilization system according to claim 6 and further comprising a fan for inducing a pressure differential between the inlet and outlet ports.

8. (Original) A sterilization system according to claim 1 and further comprising one or more baffles to lengthen a flow path between the inlet port and the exit port.

9. (Currently amended) A method of sterilizing items comprising the steps of:  
placing the items into a sealed sterilization container;  
sealing the container from microorganism ingress via a microorganism impermeable, vapor permeable material whereby to maintain sterility of the items therein;  
attaching a source of sterilizing fluid to the container;  
flowing sterilizing fluid into the container through a first port and through the a microorganism impermeable, vapor permeable material to sterilize the items;  
flowing the sterilizing fluid from the first port to a second port through the container out of the container through the second port and back to the source; and  
detaching the container from the source of sterilizing fluid; ~~and~~  
~~—— sealing the container from microorganism ingress via a microorganism impermeable, vapor permeable material whereby to maintain sterility of the items therein.~~

10. (Cancelled)

11. (Cancelled)

12. (Original) A method according to claim 9 wherein the sterilizing fluid is a chemical vapor.

13. (Original) A method according to claim 12 wherein the sterilizing fluid is hydrogen peroxide vapor.

14. (Cancelled)

15. (Previously presented) A method according to claim 9 wherein flow from the source of sterilizing fluid into the container through the first port, out of the container through the second port and back to the source is continuous.

16. (Original) A method according to claim 15 and further comprising the step of inducing the flow with a fan within the source.

17. (Currently amended) A sterilization system according to claim ~~2~~ 1 wherein the sterilizing fluid is a chemical vapor.

18. (Previously presented) A sterilization system according to claim 17 wherein the sterilizing fluid is hydrogen peroxide vapor.

19. (Previously presented) A sterilization system according to claim 1 and further comprising a pressure differential between the inlet and outlet ports to create a flow of the sterilizing fluid through the container.

20. (Previously presented) A sterilization system according to claim 19 and further comprising a fan for inducing a pressure differential between the inlet and outlet ports.

21. (Previously presented) A sterilization system according to claim 1 and further comprising one or more baffles to lengthen a flow path between the inlet port and the exit port.